

**DECLARATION AND POWER OF ATTORNEY**

**REGULAR OR DESIGN APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**ANTI-BACTERIAL COMPOUNDS DIRECTED AGAINST PILUS BIOGENESIS,  
ADHESION AND ACTIVITY, CO-CRYSTALS OF PILUS SUBUNITS AND METHODS  
OF USE THEREOF**

the specification of which:

(check one)

is attached hereto

was filed on \_\_\_\_\_ as Application Serial No.  
\_\_\_\_\_, and was amended on \_\_\_\_\_.

was described and claimed in PCT International Application  
No. \_\_\_\_\_, filed on \_\_\_\_\_ and as amended  
under PCT Article 19 on \_\_\_\_\_, if any.

**ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR**

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations §1.56.

**PRIORITY CLAIM**

I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a) - (d) or §365(b) of any foreign application for patent or inventor's certificate, or §365(a) of any PCT application which designates at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Priority Claimed

(Number)	(Country)	(Day/Month/Year Filed)

Priority Not Claimed

**ANY FOREIGN APPLICATION(S), ON THE SAME SUBJECT MATTER WHICH HAS A FILING DATE EARLIER THAN THE EARLIEST APPLICATION FROM WHICH PRIORITY IS CLAIMED**

(Number)	(Country)	(Day/Month/Year Filed)

**CLAIM FOR BENEFIT OF PROVISIONAL APPLICATION(S)**

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below.

60/148,280	08/11/99
(Application Number)	(Filing Date)

(Application Number)	(Filing Date)

CLAIM FOR BENEFIT OF EARLIER U.S. APPLICATION(S)  
UNDER 35 U.S.C. 120

(complete this part only if this is a divisional,  
continuation or CIP application)

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s), or §365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

(Serial No.)	(Filing Date)	(Status)

**POWER OF ATTORNEY**

I hereby appoint the following attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Irving Powers (15,700), Donald G. Leavitt (17,626), John K. Roedel, Jr. (25,914), Michael E. Godar (28,416), Edward J. Hejlek (31,525), William E. Lahey (26,757), Richard G. Heywood (18,224), Frank R. Agovino (27,416), Kurt F. James (33,716), G. Harley Blosser (33,650), Paul I. J. Fleischut (35,513), Vincent M. Keil (36,838), Robert M. Evans, Jr. (36,794), Robert M. Bain (36,736), Joseph A. Schaper (30,493), Kathleen M. Petrillo (35,076), David E. Crawford, Jr. (38,118), Paul A. Maddock (37,877), Richard L. Bridge (40,529), Christopher M. Goff (41,785), James E. Butler (40,931), Derick E. Allen (43,468), Matthew L. Cutler (43,574), Michael G. Munsell (43,820), Karen Y. Hui (44,785), Anthony R. Kinney (44,834), Brian P. Klein (44,837), Sarah J. Chickos (46,157), Donald W. Tuegel (45,424), Steven M. Ritchey (46,321), Michael J. Thomas (39,857), and Kathryn J. Doty (40,593), all of the law firm of SENNIGER, POWERS, LEAVITT & ROEDEL, One Metropolitan Square, 16th Floor, St. Louis, Missouri 63102.

Send Correspondence To:

Direct Telephone Calls To:

Customer Number: 000321

Karen Y. Hui  
(314) 231-5400

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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Full name of sole or first inventor Scott J. Hultgren

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence St. Louis, Missouri Citizenship U.S.

Post Office address 1637 Country Hill Lane

St. Louis, Missouri 63021

Full name of second joint inventor Frederic G. Sauer

Second inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence St. Louis, Missouri Citizenship U.S.

Post Office address 7510 Parkdale, #1E

St. Louis, Missouri 63105

Full name of third joint inventor Gabriel Waksman

Second inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence St. Louis, Missouri Citizenship France

Post Office address 500 West Drive

University City, MO 63130

Full name of fourth joint inventor Klaus Fuetterer

Second inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence St. Louis, Missouri Citizenship Germany

Post Office address 4540 Laclede Avenue, #201

St. Louis, Missouri 63108

09532258-064300

Applicant or Patentee: Scott J. Hultgren, et al Attorney's  
Serial or Patent No.: to be assigned Socket No.: WSHU 2005  
Filed or Issued: August 11, 1999  
For: Anti-Bacterial Compounds Directed Against Pilus Biogenesis

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS (37 CFR 1.9(f) and 1.27(d)) - NONPROFIT ORGANIZATION**

I hereby declare that I am an official empowered to act on behalf of the nonprofit organization identified below:

NAME OF ORGANIZATION Washington University  
ADDRESS OF ORGANIZATION One Brookings Drive, St. Louis, MO 63130

TYPE OF ORGANIZATION

University or other institution of higher education  
 Tax exempt under Internal Revenue Service Code (26 USC 501(a) and 501(c) (3))  
 Nonprofit scientific or educational organization qualified under a non-profit organization statute of a state of The United States of America (Name of state \_\_\_\_\_)  
(Citation of statute \_\_\_\_\_)  
 Would qualify as tax exempt under Internal Revenue Service Code (26 USC 501(a) and 501(c) (3) if located in The United States of America  
 Would qualify as nonprofit scientific or educational organization under a non-profit statute of a state of The United States of America if located in The United States of America  
(Name of state \_\_\_\_\_)  
(Citation of statute \_\_\_\_\_)

I hereby declare that the nonprofit organization identified above qualifies as a nonprofit organization as defined in 37 CFR 1.9(e) for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code with regard to the invention entitled ANTI-BACTERIAL COMPOUNDS DIRECTED AGAINST PILUS BIOGENESIS by inventor(s) Scott J. Hultgren and Frederic G. Sauer described in

the specification filed herewith  
 application serial no. \_\_\_\_\_, filed \_\_\_\_\_  
 patent no. \_\_\_\_\_, issued \_\_\_\_\_

I hereby declare that rights under contract or law have been conveyed to and remain with the nonprofit organization with regard to the above identified invention.

If the rights held by the nonprofit organization are not exclusive, each individual, concern or organization having rights to the invention is listed below\* and no rights to the invention are held by any person, other

than the inventor, who could not qualify as a small business concern under 37 CFR 1.9(d) or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

\*NOTE: Separate verified statements are required for each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

INDIVIDUAL  SMALL BUSINESS CONCERN  NONPROFIT ORGANIZATION

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

INDIVIDUAL  SMALL BUSINESS CONCERN  NONPROFIT ORGANIZATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b)).

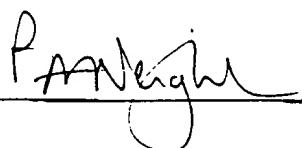
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING Andrew Neighbour, PhD.

TITLE IN ORGANIZATION Associate Vice Chancellor for Technology Management

ADDRESS OF PERSON SIGNING 660 S. Euclid Ave., Box 8013,

St. Louis, MO 63110

SIGNATURE  DATE 8/9/99